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June 3, 2004

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Commissioner for Patents
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Alexandria, VA 22313-1450

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Commissioner for Patents; P.O. Box 1450; Alexandria, VA 22313-1450

Date of Deposit: June 3, 2004

Signature:

Carolyn Bova
Carolyn Bova

Re: United States Patent Application Serial No. 10/646,072
Entitled: IMAGE PROCESSING OF MASS SPECTROMETRY DATA FOR USING AT
MULTIPLE RESOLUTIONS
Inventor: Heinrich Roder
Docket No.: 021607.0101PTUS

Dear Sir:

Enclosed for filing in the above-identified application for patent are the following:

1. Information Disclosure Statement
2. PTO Form 1449A
3. Copies of References 1-11
4. Confirmation Postcard

It is believed there is no fee for this filing; however, should a fee be due, please charge our Deposit Account No. 50-2816.

Very truly yours,

Gary B. Solomon
Gary B. Solomon
Registration No. 44,347

GBS:cmf
Enclosures



U.S.S.N. 10/7646,072
Atty. Docket No. 021607.0101PTUS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Heinrich Roder) Group Art Unit: Unknown
Serial No.: 10/646,072) Examiner: Unknown
Filed: August 22, 2003) Confirmation No.: 8444

For: IMAGE PROCESSING OF MASS SPECTROMETRY DATA FOR USING AT
MULTIPLE RESOLUTIONS

Commissioner for Patents
Post Office Box 1450
Alexandria, VA 22313-1450

CERTIFICATE OF MAILING	
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on: June	<u>3</u> 2004
Signature	<u>Carolyn Bova</u> Carolyn Bova

Dear Sir:

INFORMATION DISCLOSURE STATEMENT

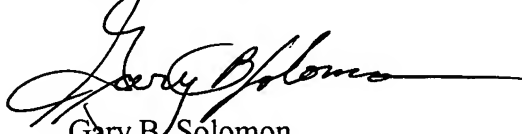
In accordance with Applicant's duty under 37 C.F.R. § 1.56 and 1.97, Applicant hereby submits the attached form PTO-1449 (modified) which lists art cited. The art listed therein, while of some relevance, is not necessarily considered to teach or suggest any aspect of the invention described and claimed in the above-identified patent application. This statement is also not to be construed as a representation that a search has, or has not, been conducted or that no better art exists. Rather, this statement discloses only the best art of which the Applicant is aware.

In considering the art set forth below, it may be noted by the Examiner that certain of the references may contain markings, underlinings or other notations. These markings or notations are not to be construed as drawing the Examiner's attention either to selected parts or away from other

parts of the references. Any such markings were either present on the copies of the references obtained by Applicant, or were made thereon during the study of the references by the Applicant and/or his attorneys.

The Examiner is respectfully requested to consider each of the cited references, indicate such consideration by initialing each reference on the enclosed Form PTO-1449A and return a copy of the same with the next communication to the Applicant. For the convenience of the Examiner in considering the references, copies of the cited references are enclosed with this communication.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Gary B. Solomon", with a long horizontal flourish extending to the right.

Gary B. Solomon
Reg. No. 44,347

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PTO/SB/08b(05-03)

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 1

Complete if Known

Application Number	10,646,072
Filing Date	August 22, 2003
First Named Inventor	Heinrich Roder
Group Art Unit	2881
Examiner Name	Unknown
Attorney Docket Number	021607.0101PTUS

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	1	COTTER, "Time-of-Flight Mass Spectrometers", Time-of-Flight Mass Spectrometry, 1997, pp. 19-45 (Chapter 2), ACS Professional Reference Books, American Chemical Society, Washington, D.C.	
	2	MALLAT, "Discrete Image Processing", A Wavelet Tour of Signal Processing, 1998, pp. 59-66 (Subchapter 3.4 and footnote 1), Academic Press, San Diego, California	
	3	MALLAT, "Frame Projector and Noise Reduction", A Wavelet Tour of Signal Processing, 1998, pp. 135-137 (Subchapter 5.1.4), Academic Press, San Diego, California	
	4	MALLAT, "Biorthogonal Wavelet Bases", A Wavelet Tour of Signal Processing, 1998, p. 265 (preamble Subchapter 7.4), Academic Press, San Diego, California	
	5	MALLAT, "Lifting Wavelets", A Wavelet Tour of Signal Processing, 1998, p. 273 (preamble Subchapter 7.4.4), Academic Press, San Diego, California	
	6	MALLAT, "Separate Multiresolutions", A Wavelet Tour of Signal Processing, 1998, p. 304 (Subchapter 7.7.1), Academic Press, San Diego, California	
	7	MALLAT, "Wavelet Thresholding", A Wavelet Tour of Signal Processing, 1998, pp. 458-466 (Subchapter 10.2.4), Academic Press, San Diego, California	
	8	DAUBECHIES, "Discrete Wavelet Transforms: Frames", Ten Lectures on Wavelets, 1992, p. 53 (preamble Chapter 3), Society for Industrial and Applied Mathematics, Philadelphia, Pennsylvania	
	9	DAUBECHIES, "Characterization of Functional Spaces by Means of Wavelets", Ten Lectures on Wavelets, 1992, p. 289 (preamble Chapter 9), Society for Industrial and Applied Mathematics, Philadelphia, Pennsylvania	
	10	DAUBECHIES, "Generalizations and Tricks for Orthonormal Wavelet Bases", Ten Lectures on Wavelets, 1992, p. 313 (preamble Chapter 10), Society for Industrial and Applied Mathematics, Philadelphia, Pennsylvania	
	11	NELSON and GAILLY, "Statistical Modeling", The Data Compression Book, Second Edition, 1996, pp. 153-200 (Chapter 6), M&T Books, New York, New York	

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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